





## PATENT ABSTRACTS OF JAPAN

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## (54) BRAKING FORCE CONTROL METHOD

(57) Abstract:

PROBLEM TO BE SOLVED: To reduce sensors so as to reduce the cost of the whole brake system by making a brake work with fluid pressure corresponding to the brake operating quantity in a front wheel system, while feedback-controlling the wheel speed of a rear wheel system with the wheel speed of the front wheel system as a target in a rear wheel system.

SOLUTION: When a brake pedal 1 is depressed, in a front wheel system, a pressure regulating piston is protruded into a fluid pressure chamber by the rotation of a cam based on driving of an electric motor, and front wheels are braked through a brake piston. In a rear wheel system, a brake pad presses a brake disc to apply the brake by driving of the electric motor through a rotary motion-linear motion converting means. At the time of performing rear wheel braking control, the average value of actual wheel speed on the rear wheel side are taken in from a wheel speed sensor S, and the torque of the motor in a rear wheel motor-driven braking device is controlled to nullify the difference of the average values of the actual wheel

speed of the front and rear wheels.

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